

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) In a ~~A~~ method for ~~position~~ positioning a measuring device (20) which emits and receives optical radiation to measure wear in the lining of a container (10), said method involving fixing coordinate systems (26, 36) for the measuring device (20) and the container (10) by combining ~~that~~ the coordinate systems, and individually determining the positions of a plurality of specific fixing marks (41, 43, 45) in the coordinate system (26) of the measuring device (20), wherein each of said fixing marks (41,43, 45) is substantially regular in shape, ~~wherein a method for determining the position of the fixing marks (41,43,45) comprising the steps of are determined by:~~ (a) deflecting and the optical radiation beam across a first fixing mark (41) in first and second intersecting directions and determining the position of the center and at least two linear edges thereof and creating a first temporary coordinate system (47) based on the position of the center and the directions of the at least two edges thereof, (b) searching, based on the first temporary coordinate system (47), at least two further fixing marks (43, 45) and determining the position of the centers thereof, and (c) defining, based on the center positions of said fixing marks (41,43, 45) the coordinate system (36) of the container (10).
2. (Original) The method of claim 1, wherein the first fixing mark (41) is substantially rectangular in shape.
3. (Previously Presented) The method according to claims 1 or 2 wherein the first fixing mark (41) is larger in size than the at least two further fixing marks (43, 45).
4. (Currently Amended) The method of claim 1, wherein the center of the fixing marks (41, 43, 45) is calculated from the ~~intersections thereof~~ deflecting of the optical radiation beam across each of the fixing marks in first and second intersecting directions.
5. (Currently Amended) The method according to claim 4, wherein the ~~intersections are~~

deflecting of the optical radiation beam across each of the fixing marks is detected by one of distance measuring and reflection intensity measuring.

6. (Original) The method according to claim 5, wherein the fixing marks (41, 43, 45) comprise a retro-reflective surface.